

**VAMP4 Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AW5523**

**Specification**

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**VAMP4 Antibody (Center) - Product Information**

Application	<b>WB, IHC-P,E</b>
Primary Accession	<a href="#">O75379</a>
Reactivity	<b>Human</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>H=16;M=16 KDa</b>
Isotype	<b>Rabbit IgG</b>
Antigen Source	<b>HUMAN</b>

**VAMP4 Antibody (Center) - Additional Information**

**Gene ID** 8674

**Antigen Region**  
31-65

**Other Names**  
Vesicle-associated membrane protein 4, VAMP-4, VAMP4

**Dilution**  
WB~~1:1000  
IHC-P~~1:10~50

**Target/Specificity**  
This VAMP4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 16-65 amino acids from the Central region of human VAMP4.

**Storage**  
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**  
VAMP4 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**VAMP4 Antibody (Center) - Protein Information**

**Name** VAMP4

**Function**  
Involved in the pathway that functions to remove an inhibitor (probably synaptotagmin-4) of calcium-triggered exocytosis during the maturation of secretory granules. May be a marker for this

sorting pathway that is critical for remodeling the secretory response of granule.

#### Cellular Location

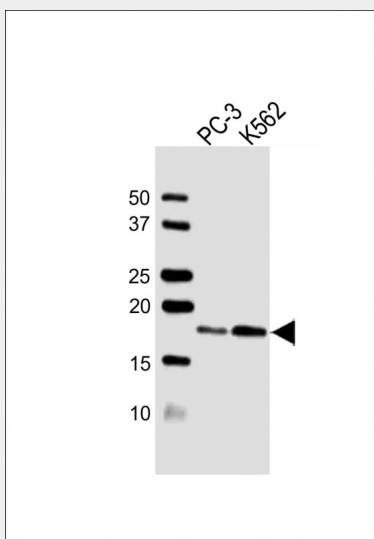
Golgi apparatus, trans-Golgi network membrane; Single-pass type IV membrane protein  
Note=Associated with trans Golgi network (TGN) and newly formed immature secretory granules (ISG). Not found on the mature secretory organelles

#### VAMP4 Antibody (Center) - Protocols

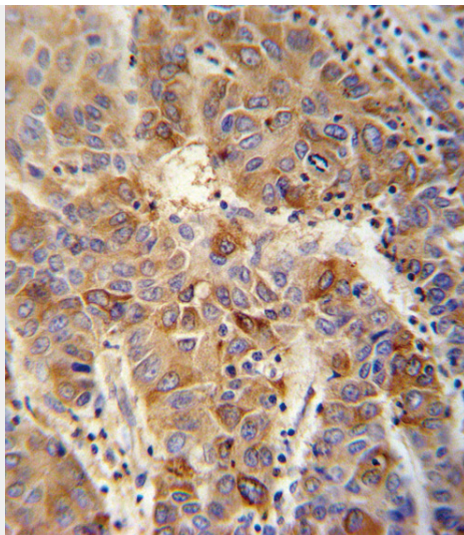
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### VAMP4 Antibody (Center) - Images



All lanes : Anti-VAMP4 Antibody (Center) at 1:1000 dilution Lane 1: PC-3 whole cell lysate Lane 2: K562 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 16 kDa Blocking/Dilution buffer: 5% NFD/MTBST.



VAMP4 antibody (Center) (Cat. #AW5523) immunohistochemistry analysis in formalin fixed and paraffin embedded human hepatocarcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the VAMP4 antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.